HYUNDAI

H-MS1100

INSTRUCTION MANUAL

DVD 5.1 CHANNEL
COMPONENT AUDIO
SYSTEM

Table of Contents

Before Connection

Thank you for purchasing this DVD 5.1 channel component system, in order to fully utilize this system, please read this instruction book carefully before use it.

For your safety

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Caution:
To prevent fire or shock hazard, do not expose this equipment to rain or moisture place.

Power Requirement
Because the power requirement of the electric products is different in various places, before you use this product, make sure that the power requirement of the product is complied to the power that the native district supplies.

Laser Product
This product is equipped with low power laser equipment inside, for using safely, don't take apart any covers or try to take apart the product inside. Please contact the qualified personnel for repairing.

CLASS 1
**LASER PRODUCT**

Caution:
This product is equipped with low power laser equipment inside, for your safety, don't open the laser radiation protective equipment. Don't look at the laser radiation district when the equipment is operating.

Precautions

1. Before operating this system, check the voltage of this system to see if it is identical with the voltage of your local power supply.
2. Unplug the system from the wall outlet if it is not used for a long time. To disconnect the cord, pull it out by grasping the plug
3. To avoid electric shock, do not open the cabinet by unqualified personnel
4. There is no user serviceable parts inside. In case of system failure, unplug the power cord and consult your dealer
5. Do not place this unit to an unstable and slope position. Keep this unit in a place with good ventilation surrounding. To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc.
6. To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus. And don't place lighted candles on the apparatus.
7. To prevent fire or shock hazard, do not expose this equipment to hot places, rain, moisture or dust.
8. Don't get close to the water source when using this unit, such as near bathtub, bath slot, ish-washing slot, washing machine to use it; also, don't use this unit on damp plinth or nearby swimming pool or similar close to the water source.
9. Do not place this unit close to strong magnetic field.
10. Don't place this unit close to the damper, or the moisture will affect the life of the laser head.
11. If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the player. Should this occur, the system will not operate properly. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.
12. Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
13. Before cleaning this unit, unplug the system from the wall outlet first. Don't use the cleaner which is with liquid or aerosol (e.g. pesticide). You can use a clean cloth to clean this unit.
14. Please use the connection cable to connect to unit. Don't use accessorial equipment recommended by non manufacturer. It may course an electric shock by using this equipment.

Control Section

The unit
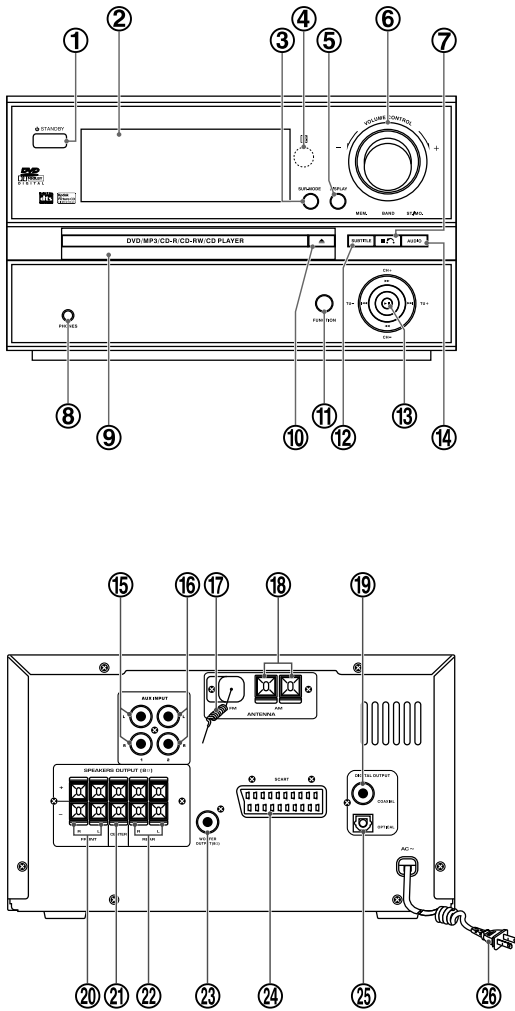
1. Standby Button
2. VFD Display Lens
3. Surround Mode Select Button
4. Remote Sensor
5. Display Button
6. Volume Control Knob
7. Stop/Return Button
   Band Switch
8. Headphone Jack
9. Disc Door
10. Open/Close Button
11. Function Select Button
12. Subtitle Button
    Memory Button
13. Multi function button
    (**Press downward**) Play/Pause Button
    (**Push upward**)   Fast Forward Button
                         Channel Select Forward Button
    (**Push downward**) Fast Reverse Button
                         Channel Select Backward Button
    (**Push left**)   Previous Button
                         Tuning Backward Button
    (**Push right**)   Next Button
                         Tuning Forward Button
14. Vocal Mode Select / Language Select Button
    MONO/Stereo Select Button
15. AUX 1 Input Terminals
16. AUX 2 Input Terminals
17. FM Antenna
18. AM Antenna Socket
19. Coaxial Output Terminal
20. Front Speaker Box Output Terminals
21. Center Speaker Box Output Terminals
22. Surround Speaker Box Output Terminals
23. Woofer Speaker Box Output Terminal
24. Scart Socket
25. Optical Fibre Output Terminal
26. AC Power Cord

Remote control

1. Standby Button
2. DVD Function Button
   Interlace/P-SCAM Switch Button
3. TUNER Function Button
   Band Switch
4. Clock Button
5. Sleep Button
   Timer Button
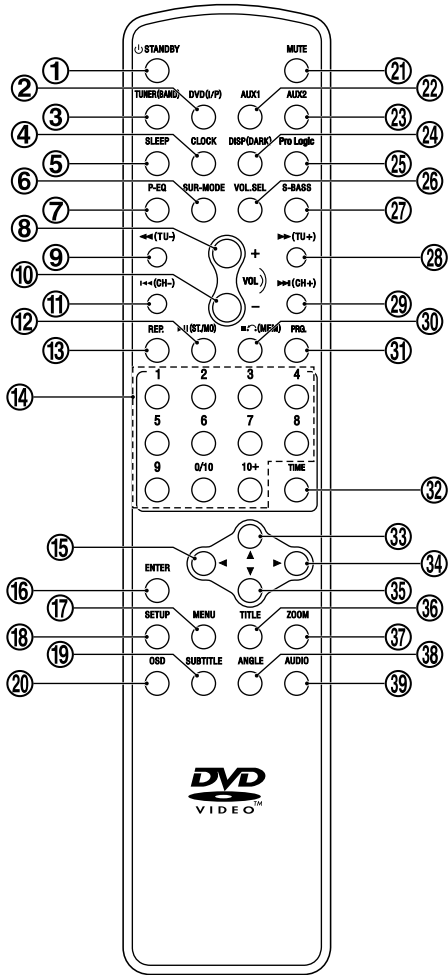
6. Surround Mode Select Button
7. Preset Equalizer Button
8. Volume Up Button
9. Fast Reverse Button
   Tuning Backward Button
10. Volume Down Button
11. Previous Button
    Channel Select Backward Button
12. Play/Pause Button
    MONO/Stereo Select Button
13. Repeat Button
14. Number Buttons
15. Direction Button (◄)
16. Confirmation Button
17. PBC Button
    Root Button
18. Function Setting Button
19. Subtitle Button
20. OSD Button
21. Mute Button
22. AUX1 Function Button
23. AUX2 Function Button
24. VFD Display Mode Button
    VFD Darkness Select Button (in standby mode)
25. Pro Logic Button
26. Volume Mode Select Button
27. Super Bass Button
28. Fast Forward Button
    Tuning Forward Button
29. Next Button
    Channel Select Forward Button
30. Stop/Return Button
    Memory Button
31. Program Button
32. Time Search Button
33. Direction Button (▲)
34. Direction Button (►)
35. Direction Button (▼)
36. Title Button
37. Zoom Button
38. Angle Select Button
39. Vocal Mode Select Button
    Language Select Button

Connection

Caution: *Please turn off all the equipment power before connecting.*

Connect to the TV

Connecting diagram

Terminal board for the player

TV

Terminal board for the TV
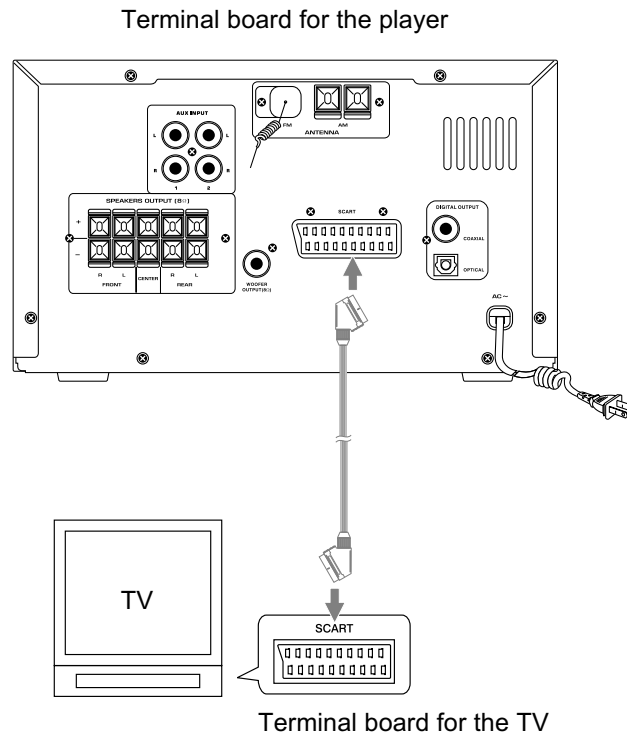
Safety precautions

Some setting should be done for the unit according to the TV connection.
* According to the color system setting of TV, select the color system in the "TV Display" function setting.
* If the unit is connected to wide screen TV, then set "TV display" to "Wide" in the function setting item.
* If the unit is connected to normal TV, then set "TV display" to "Normal/PS" or "Normal/LB" in the function setting item.

Connect to 5.1 channel surround sound speaker boxes

Connecting diagram

Terminal board for the player

Front left speaker box

TV

Front right speaker box

Center speaker box

Woofer speaker box

Left surround speaker box

Right surround speaker box
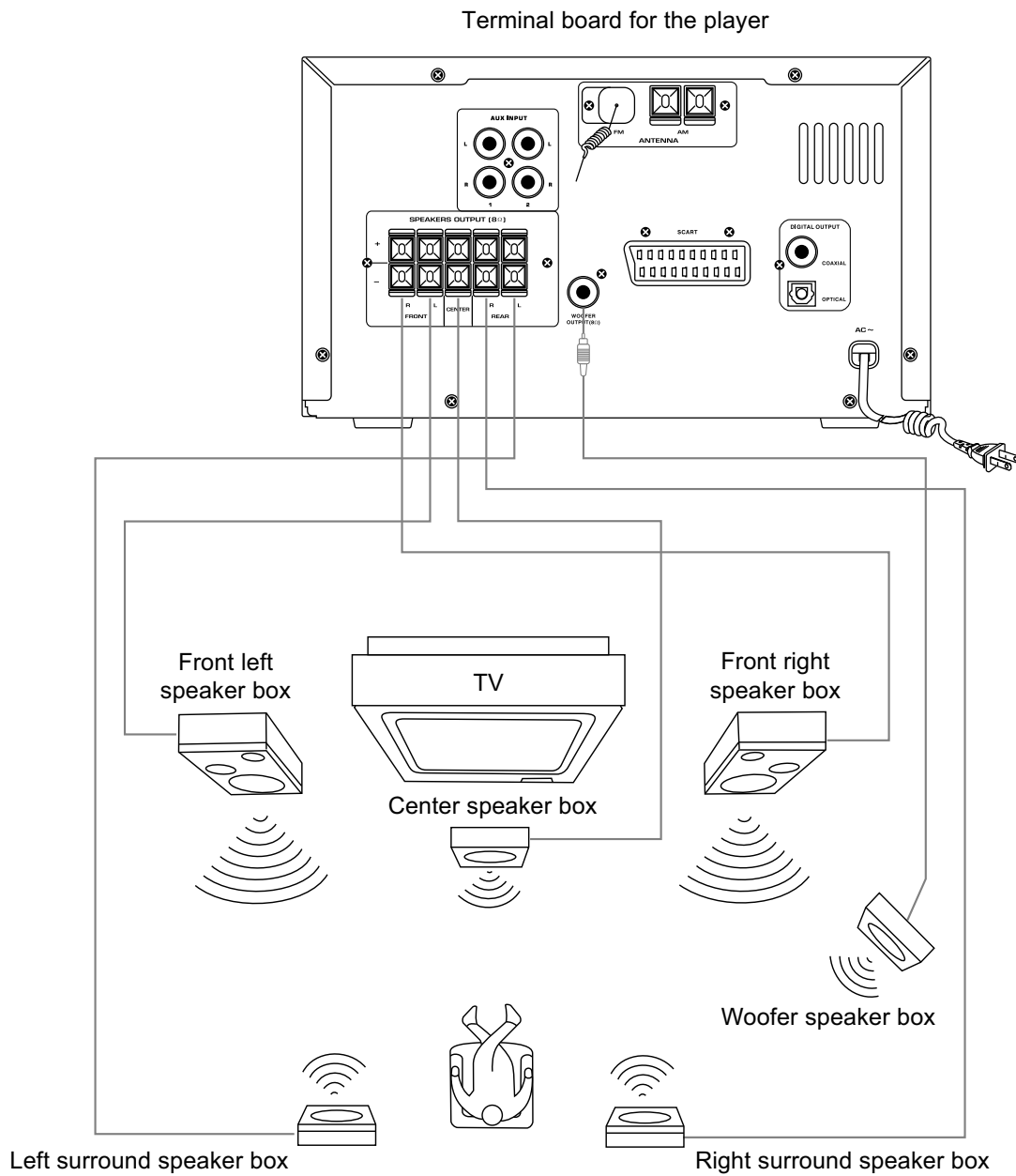
Connection precautions

1. Output of the unit has wide dynamic range, so the volume of unit should be moderated, if other speakers are used, they must be choose correctly according to our speaker specification, or the loud speaker will be damaged by the heavy volume.
2. Before connecting or cutting short the unit power, please turn off the power of unit or turn the volume to minimum level first or it may damage the loudspeaker.

Connect to AM antenna
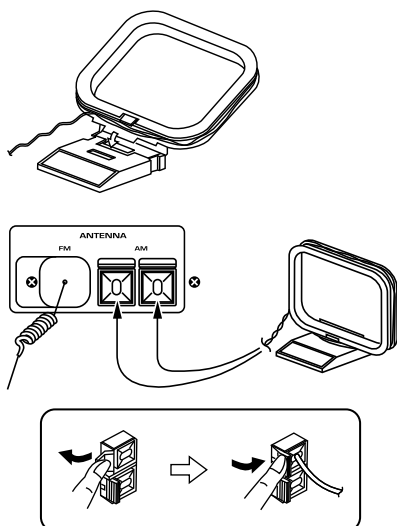
AM loop antenna

a. Open the AM antenna terminals on the rear of the unit.
b. Attach the AM loop to its base by snapping the tabs on the loop into the slot in the base.
c. Close each of the terminals to connect the antenna securely.

Rotate AM ring shape antenna till the receiving effect is the best. (Don't place the AM ring shape antenna on the unit cover, or it will affect the receiving effect.)

Connect to the assistance equipment

Connecting diagram

Terminal board for the player

Assistance equipment

Terminal board for the assistance equipment
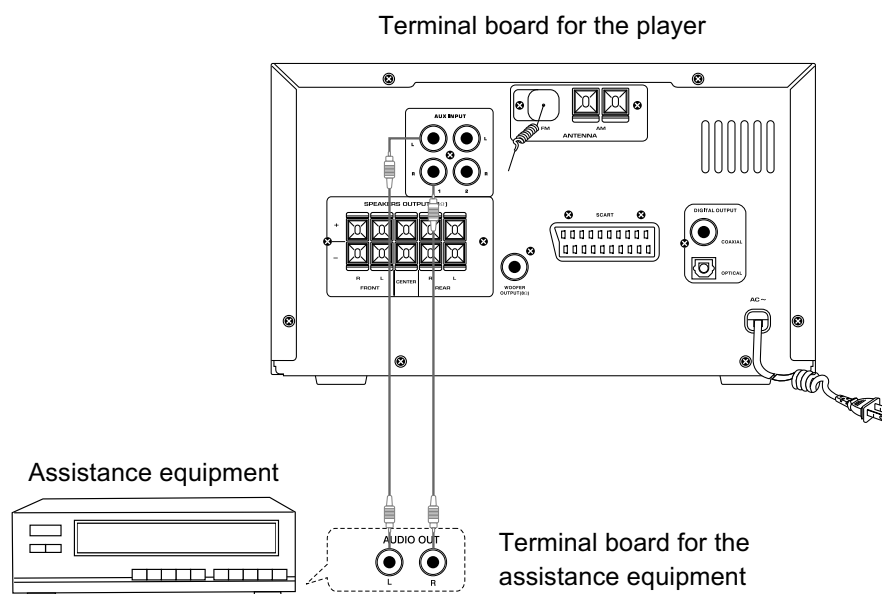
Connection precautions

This unit has two groups of audio input terminals, you can use signal line to connect audio input terminals of this unit and audio output terminals of assistance equipment respectively, then you can hear the sound sources.

Cautions:

AUX1

Press the AUX1 function button to select AUX1 function.
When you are connecting AUX1 audio terminals, please press this function button.

AUX2

Press the AUX2 function button to select AUX2 function.
When you are connecting AUX2 audio terminals, please press this function button.

Connect to the amplifier with digital signal input terminal

Connecting diagram

Terminal board for the player

With digital signal input terminal's
DTS, Dolby Digital signal decode
amplifier terminal board

With digital signal input terminal's DTS,
Dolby Digital signal decode amplifier
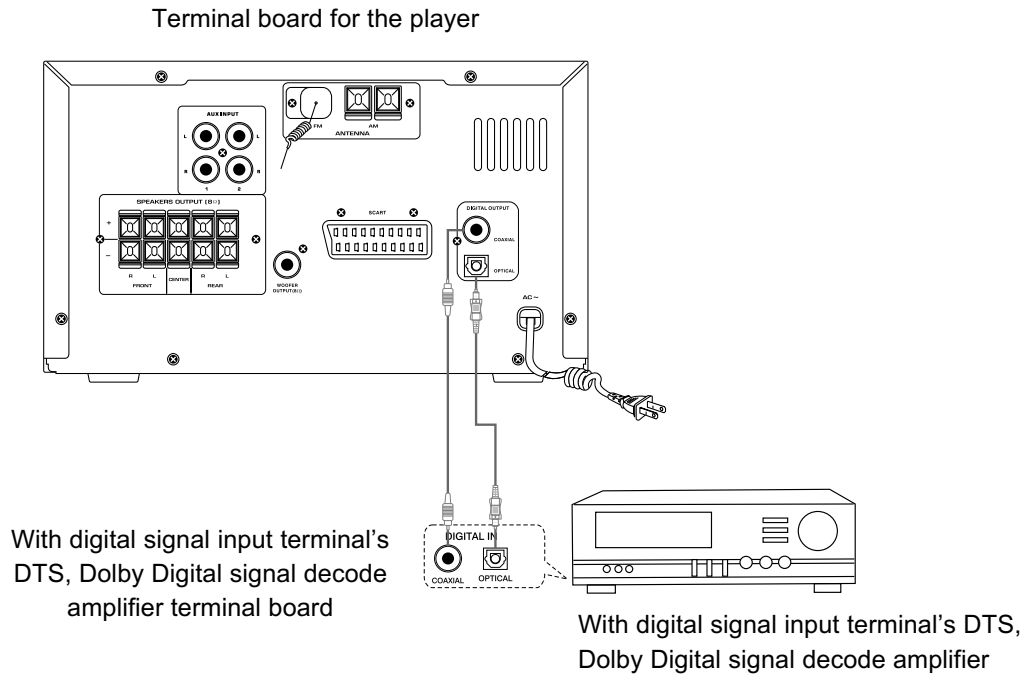
Connection precautions

Use optical fibre, coaxial signal wire to connect optical fibre, coaxial output jack of the unit with optical fibre, coaxial input jack of other amplifier, then you can feel the super digital sound effect (can't use two output mode at the same time, if you connect the optical fibre and coaxial with the signal wire at the same time, the unit is for coaxial output only.).

Caution: Optical fibre output terminal is for use the system with optical fibre output function only.

Connecting the AC Power Cord

Insert the AC power cord into a wall outlet, and your system is at your command!

Caution: Be sure to unplug the power cord from the outlet when going out or the system is not in use for an extended period of time.

Connect the Headphone

Connect a pair of headphones to the phone jacks. No sound comes out of the speakers.

Note: Be sure to turn down the volume before connecting or putting on headphones.

Installation of Batteries in the Remote Control

1. Remove the battery compartment cover.
2. Insert two batteries (size AAA) correctly, so that the + and - polarities match the polarity diagrams in the battery compartment.
* About half a year of normal operation can be expected when using the general batteries.
* When the batteries are exhausted, the commander can no longer operate the system. Replace both batteries at the same time with new ones.
* Don't use an old battery with a new one.
* Don't use different types of batteries together.
* When the unit is not used for a long period of time, remove the batteries to avoid damage caused by battery leakage and corrosion.

Turning the Power On and Off

You can use all the functions on the panel of the unit or the remote control after turning the system power on (called Standby Mode), the clock will display on the VFD.

Turning the System On

Press the standby button (STANDBY) to turn the system on from standby mode.

Caution: If turning the system on, the system will be ready to continue in the mode it was in when it was turned off last time.

Turning the System Off

Press the standby button (STANDBY) again to turn the system off (called Standby Mode), the clock will display on the VFD.

Caution: Be sure to unplug the power cord from the outlet when going out or the system is not in use for an extended period of time.

Normal playing

Use the discs

DVD(I/P)

In power on mode, press the DVD function button (**DVD**) to select DVD function.
In DVD function mode, press the Interlace/P-SCAM switch button (**I/P**) to select Interlace or P-SCAN TV output mode.

Press the open/close button (⏏) on the unit to open the disc tray and place the disc on the disc tray (with the printed side up). Press this button again to close the disc tray, the unit will read the disc and the disc type will display on the TV screen then play it automatically.
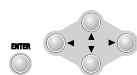
ENTER

Correspondingly press the direction button (▲,▼,◄, ►) to move the cursor to illuminate the desired menu to up, to down, to left, to right direction.
Press the confirmation button (**ENTER**) to enter menu you selected.

►ΙΙ (ST./MO)

In stop mode, press the play/pause button (► ΙΙ) to start playing the disc.
When playing disc, press the play/pause button (► ΙΙ) to temporarily stop the playing, press the button again, it will continue to play.
(You can also operate the key "► ΙΙ" on the panel of unit.)

■⤾(MEM)
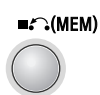
When playing disc, press the stop/return button (■⤾) to stop playing, the unit will store the last playing time in the memory automatically, then press the play/pause button (► II), the unit will resume to last memory time and continue playback automatically.

If you press the stop/return button (■⤾) twice to stop the disc playing.

(You can also operate the key "■⤾" on the panel of unit.)

+ VOL) −
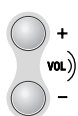
Press the volume down button to decrease the volume. Press the volume up button to increase the volume.

(You can also operate the knob "- **VOLUME CONTROL +**" on the panel of unit.)

VOL.SEL

Repeatedly press the volume mode select button to select front, center, surround or woofer mode, then you can use the volume up or volume down buttons to increase or decrease the volume of the front speaker box, center speaker box, surround speaker box or woofer speaker box.

MUTE

Press the mute button in playing mode, all sound will erase, press the button again to resume sound. *(**Note:** The mute function applies to amplifier unit only, it is not available for optical fiber output.)*

S-BASS

Press the super bass button to reinforce the bass sound to maintain rich, full bass at low volume, press this button again to cancel the effect.

SUR-MODE

Press the surround mode select button (**SUR-MODE**), you can choose STEREO, SUR5.1 or DVD5.1 audio output mode to output the audio signal.

STEREO : Stereo audio output.

SUR 5.1 : Analog 5.1 audio output mode, it can make the sound with any format to analog 5.1 audio output mode.

DVD 5.1 : Dolby digital or DTS 5.1 audio output mode.

(You can also operate the key "**SUR-MODE**" on the panel of unit.)

Pro Logic

When playing the disc with the Dolby surround Pro Logic sound track and Dolby surround Pro Logic function button pressed, the sound track will be decoded to 6 channels sound effect (Front L, Front R, Center, Surround L, Surround R and Sub-woofer), the encoded source may be from VCD or CD.

P-EQ

You can adjust the sound reproduced simply by choosing from different preset equalizations. Press the preset equalizer button (**P-EQ**) once by once to select cyclically one of the following different preset equalizations:

No display ➤ POPS ➤ JAZZ ➤ CLASSIC ➤ ROCK

No display : Normal sound
POPS   : Vocal sound is intensified
JAZZ   : For jazz
CLASSIC   : For classic
ROCK   : For rock

DISP(DARK)

- This unit has several brightness levels for you to adjust the VFD screen to light or dark. You only need to press the VFD darkness select button (**DARK**) in standby mode, then you can choose the lighting level you desired.
- This unit has set several graphic equalizer modes. Each time you press the VFD display mode button (**DISP**), the indication will change. (You can also operate the key "**DISPLAY**" on the panel of unit.)

OSD

Press the OSD button to display the playing information of the disc on the TV screen.
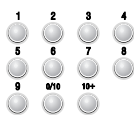
Load a general disc, upon finishing reading the disc in PBC OFF mode, you can select tracks or chapters by number buttons (0/10,1-9,10+) and play.
* If the track or chapter number is less than 10, press the number buttons 0/10,1-9.
* If the track or chapter number is over 10, press 10+ button and press the one of the number buttons 0/10,1-9. (**Note:** If the track or chapter number over 20, press 10+ button twice and press the one of the number buttons 0/10,1-9.)

MENU

• If the general disc is recorded in menu, you can set the playback control function to "PBC ON" mode by pressing the PBC button (**MENU**). The unit read the disc and the menu will display on the TV screen, then use the number buttons to select the desired track playing.
• When playing DVD disc, press the root button (**MENU**) to return to the root menu for previous layer.

PRG.

• If your DVD disc has one or more music chapters or titles, you can setup playing order for the disc by this button. Press the program button, TV set display is as following:

01	TT:__	CH:	06	TT:__	CH:
02	TT:__	CH:	07	TT:__	CH:
03	TT:__	CH:	08	TT:__	CH:
04	TT:__	CH:	09	TT:__	CH:
05	TT:__	CH:	10	TT:__	CH:
	Exit	Start	Next>>		

Note: TT: Title
CH: Chapter

* Use the 0/10,1-9,10+ buttons to input the sequence number which you want to program playing (the first selection is title and the second selection is chapter of the programs menu.). After finishing program, Press the ▲,▼,◄, ► buttons to select "Start" then press the **ENTER** button to start programmed play. (If you setup disc playing order over than 10, press the "Next" to setup.)

• If you are playing the general disc, the TV display is as following:

01	--	06	--
02	--	07	--
03	--	08	--
04	--	09	--
05	--	10	--
	Exit	Start	Next>>

* Use the 0/10,1-9,10+ buttons to input the sequence number you want to program playing. After the program is finished, Press the ▲,▼,◄, ► buttons to select "Start" then press the **ENTER** button to start programmed play. (If you setup disc playing order over than 10, press the "Next" to setup.)

ANGLE

You can use this function to view a DVD in different angles, if it has been recorded with this function.
If the DVD disc which you are playing is recorded by four angles, then you can repeatedly press the angle select button (**ANGLE**) to select one angle to watch.

Angle 1 ➤ Angle 2 ➤ Angle 3 ➤ Angle 4

SUBTITLE

When you are playing the DVD disc which are recorded with several subtitles, you can repeatedly press the subtitle button (**SUBTITLE**) to select one of subtitle to display on the TV screen. (You can also operate the key "**SUBTITLE**" on the panel of unit.)

Subtitle 1/3 ➤ Subtitle 2/3 ➤ Subtitle 3/3 ➤ Subtitle Off

TITLE

In the disc normal playing mode, press the title button (**TITLE**), this system will stop playing and enter the display mode of title menu.

AUDIO

• You can use channel function when you playing the general disc, you can choose MONO (Mono Left, Mono Right), "STEREO" or "Mix-Mono" audio output by pressing vocal mode select button (**AUDIO**).
• When playing DVD disc recorded with several languages, you can repeatedly press the language select button (**AUDIO**) to select one of language to play.

(You can also operate the key "**AUDIO**" on the panel of unit.)

Audio 1/4 ➤ Audio 2/4 ➤ Audio 3/4 ➤ Audio 4/4

REP.

One title, one chapter, one track or all the disc repeat play can be set by pressing the repeat button (**REP**).
• When playing a DVD disc, this function can be used to play a title, chapter or disc repeatedly. Repeatedly press the repeat button (**REP**), the screen shows orderly:

⌓ CHAPTER ➤ ⌓ TITLE ➤ ⌓ ALL ➤ Cancel Repeat

• When playing MP3 disc, this function can be used to play a track or folder repeatedly. Repeatedly press the repeat button (**REP**), the screen shows orderly:

Single ➤ Repeat One ➤ Repeat Folder ➤ Folder

• You may repeat a track or disc according to the following steps. Repeatedly press the repeat button (**REP**), the screen shows orderly:

⌓ Track ➤ ⌓ ALL ➤ Cancel Repeat

TIME

You may directly enter a time, title or chapter number to search quickly on a disc. The unit will play from this point.
• When playing DVD disc, press the time search button (**TIME**) to search a title in a disc or search a chapter in a title. Use the **0/10,1-9** buttons to enter the title number or chapter number.
• When playing general disc, press the time search button (**TIME**) to search a play point in a disc. Use the **0/10,1-9** buttons to enter the time numbers to look for desired scene, the left two-digit numbers is minute and the right two-digit numbers is second.

Note: If the search time exceeds the total time on the disc or the item set falls short of the disc recorded, the "⊠INPUT INVALID" will display on TV screen, indicating the operation is invalid or incorrect.

►►(TU+)

Press the fast forward button (►►) once by once to select one of the variety different speed to fast forward play or select normal speed to play. Each time you press the button, the screen shows orderly.

►► 2X ➤ ►► 4X ➤ ►► 8X ➤ ►► 16X ➤ ►► 32X ➤ PLAY

Note: Press the ► ❙❙ button to resume normal playback.
(You can also operate the key "►► " on the panel of unit.)

◄◄ (TU-)   Press the fast reverse button (◄◄) once by once to select one of the variety different speed to fast backward play or select normal speed to play. Each time you press the button, the screen shows orderly.

<div align="center">

◄◄ 2X ➤ ◄◄ 4X ➤ ◄◄ 8X ➤ ◄◄ 16X ➤ ◄◄ 32X ➤ PLAY

</div>

Note: Press the ► II button to resume normal playback.
(You can also operate the key "◄◄" on the panel of unit.)

►►I (CH+)
- When playing DVD disc, press the next button (►►I) to skip the next chapter or title.
- When playing general disc, press the next button (►►I) to skip the next track.

(You can also operate the key "►►I" on the panel of unit.)

I◄◄ (CH-)
- When playing DVD disc, press the previous button (I◄◄) to skip the previous chapter or title.
- When playing general disc, press the previous button (I◄◄) to skip the previous track.

(You can also operate the key "I◄◄" on the panel of unit.)

ZOOM   This function can be used to enjoy a motion or motionless picture.
Press the zoom button (**ZOOM**) when playing, the screen shows orderly:

<div align="center">

2X ➤ 3X ➤ 4X ➤ 1/2X ➤ 1/3X ➤ 1/4X ➤ ►

</div>
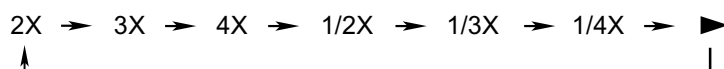
*   Use the ▲,▼,◄, ► buttons to move the enlarged picture.
Note: This function is not available for CD or MP3 playback.

Play picture CD disc

- Place the picture CD on the disc tray properly, the unit will read the disc and the menu will be displayed on the TV screen.
  Picture CD: The disc is recorded in picture
- Press the **PRG** button on the remote control to choose one of the following methods to select a picture playing.
  - *   When the directory and picture display on the TV screen, you can first press the ▲,▼,◄, ► buttons on the remote control to move the cursor to illuminate the picture (the picture will display on the TV screen) then press the **ENTER** button on the remote control to start playing or press the **0/10,1-9** buttons on the remote control to select the desired picture playing in this directory.
    Note: If there is more than one layer directory, you may need to repeat use the ▲,▼,◄, ► buttons and **ENTER** button to enter the picture normal playing.
    If there is more than one page directory or picture, you can use the ►►I button or I◄◄ button to select the next or previous page menu.
  - *   When the picture displaying on the TV screen, you can press the **0/10,1-9** buttons on the remote control to select the desired picture in the disc then press the **ENTER** button on the remote control to start playing.

  Note: Play will continue until the final picture or when the selected pictures have been played.
- When playing, use the remote keys function to select different play mode. These play modes list as the following:

Slide Show   Menu   <<Prev   Next>>

Note:
Silde Show	:	Selections played in a random order
Menu	:	Display "Remote Key Function" list
Prev	:	Display previous 12 pictures of disc
Next	:	Display next 12 pictures of disc

Note: When playback the picture CD, press the ■☌ button to enter the "Thumbnail Mode", use the ▲,▼,◄, ► buttons to move the cursor to illuminate the "MENU" then press the **ENTER** button to enter the "Remote Key Function" list.

PROGRAM	:	Transition Effect	◄	:	Contrarotate
STOP	:	Thumbnail Mode	►	:	Rotate Clockwise
►►I	:	Next Picture	ZOOM	:	Switch Zoom Mode
I◄◄	:	Previous Picture	►►	:	Zoom In
PLAY	:	Picture Mode	◄◄	:	Zoom Out
▲	:	Invert	▲,▼,◄, ►	:	PAN IN Zoom Mode
▼	:	Mirror			

4. Press the **MENU** button on the remote control to return to menu list screen.
5. When playing, you may need use the ▲ button on the unit to stop playing and open the disc tray.

Listening to Radio Broadcasts

Caution: Before listening to the radio, please check if both FM and AM antennas are correctly connected. (You can also operate the key on the panel of unit.)

TUNER(BAND)
*   Press tuner function button (**TUNER**) to select TUNER function.
*   In TUNER function mode, press the band switch button (**BAND**) to select the band.

►►(TU+)
*   Press the tuning forward button (**TU+**) repeatedly to move from frequency to frequency until you find the station you want.
*   Press and hold the tuning forward button (**TU+**) for one second or more, the frequency will change up automatically until a right station is found.

◄◄(TU-)
*   Press the tuning backward button (**TU-**) repeatedly to move from frequency to frequency until you find the station you want.
*   Press and hold the tuning backward button (**TU-**) for one second or more, the frequency will change down automatically until a right station is found.

■☌(MEM)
It can store the well tuned station by pressing the memory button (**MEM**). (You can preset up to 16 FM stations and up to 16 AM stations.)
*   Tune in the desired station, then press the memory button (**MEM**).
*   Use the channel select backward button (**CH-**) or channel select forward button (**CH+**) once by once to select the preset number.
*   Press the memory button (**MEM**) to store the station. After 1 second, the VFD returns to the broadcast frequency display.
    Note: If the system is unplugged or if a power failure occurs, the preset stations will remain stored in the memory.

►►I(CH+)
*   Press the channel select forward button (**CH+**) once by once to select the preset number in possible only after presetting station. Its band and frequency are displayed on the VFD.
*   Press the channel select forward button (**CH+**) once by once to select the preset number when in store the station.

I◄◄(CH-)
*   Press the channel select backward button (**CH-**) once by once to select the preset number in possible only after presetting station. Its band and frequency are displayed on the VFD.
*   Press the channel select backward button (**CH-**) once by once to select the preset number when in store the station.

►II(ST./MO)
Press the stereo/mono select button (**ST/MO**) to select the Stereo or MONO channel to receive the FM radio mode, it can get the best effect.

Setting the Clock

CLOCK

The built-in clock shows the correct time in the display.
- In standby mode, press the clock button (**CLOCK**) twice, hour indicator will blink.
- Set the hour with the **TU-** button or **TU+** button.
- Press the clock button (**CLOCK**), minute indicator will blink.
- Set the minute with the **TU-** button or **TU+** button.
- Press the clock button (**CLOCK**), the built-in clock starts operating and the seconds start counting from 0.

Note:
* You can set the clock in standby mode.
* The operating time of every step shouldn't be longer than 3 seconds or it will return to the original display.
* If there is a power failure or the power system is turned off, the clock will lose its setting.

To confirm the clock time

When you press the clock button (**CLOCK**), the clock time is displayed. Wait for a few seconds until the display returns to the original display.

Setting the Daily Timer

SLEEP

- In standby mode, you can use the daily timer setting to turn the unit on automatically at a certain time everyday under standby mode. When the setting timer is on, the timer indictor "⏱" will display on the VFD, however the clock must be set correctly for the timer function to work.
- In standby mode, press the timer button (**SLEEP**) twice, hour indicator will blink.
- Set the hour with the **TU-** button or **TU+** button.
- Press the timer button (**SLEEP**), minute indicator will blink.
- Set the minute with the **TU-** button or **TU+** button.
- Press the timer button (**SLEEP**), the selected time is set. Then set the daily timer to "ON" (daily timer set is in effect) or "OFF" (daily timer set is to cancel) by pressing the **TU-** button or **TU+** button.

Note:
* You can set the daily timer only in standby mode.
* The operating time of every step shouldn't be longer than 3 seconds or it will return to time display.
* The sound source on the automatic opening mode is the same as the sound source the last time, the unit was turned off by the standby switch.

To confirm the daily time

When press the timer button (**SLEEP**) in standby mode, the daily time is displayed. Wait for a second until the display returns to the time display.

To cancel the daily timer setting

In standby mode, repeatedly press the timer button (**SLEEP**) until the "ON" will display on the VFD, then you can set the daily timer to "OFF" by pressing the **TU-** button or **TU+** button (the daily timer will be cancelled).

Turning off the system also cancels the daily timer.

Setting the Sleep Timer

SLEEP

- Use the sleep timer to turn the system off after a some time when playing. By setting the sleep timer, you can make the music fall asleep and know that your system will turn off by itself rather than playing all night.

- Play a disc or tune in to the desired station.
- If you set the sleep timer first, each time you press the sleep button (**SLEEP**), it changes the number of minutes shown on the VFD in this sequence:

$$-- \rightarrow 10 \rightarrow 20 \rightarrow \cdots \rightarrow 80 \rightarrow 90 \rightarrow 00$$
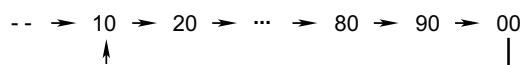
If you change the sleep timer, each time you press the sleep button (**SLEEP**), it changes the number of minutes shown on the VFD in this sequence:

$$-- \rightarrow 15 \rightarrow 10 \rightarrow 20 \rightarrow \cdots \rightarrow 80 \rightarrow 90 \rightarrow 00$$
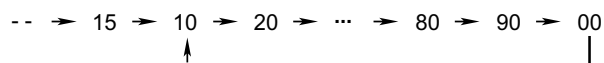
After setting the number of minutes for the sleep timer, the display will return to the display as before setting the sleep timer.

The system is now set to turn off after the number of minutes you set.

To confirm the sleep time

When pressing the sleep button (**SLEEP**), the remaining sleep time is displayed. After a few seconds the display returns to the original display.

To cancel the sleep timer setting

Repeatedly press the sleep button (**SLEEP**) until the "00" displays on the VFD.

It can also cancel the sleep timer by restart set the clock or turning off the system.

Function Menu Setting List

Caution: The content of this chart is for reference only. If something has changed, please take the realistic display for standard.

Menu function setup

* If you want to set the function of this unit, please press the function setting button (**SETUP**) to display the DVD function setting main menu, then use the ▲,▼,◄, ► buttons and **ENTER** button. Press the function setting button (**SETUP**) again to exit the function setting main menu.

(**Note:** And if the item displays in gray, that means that it can't be setup and there isn't this function in the disc.)

General Setup Page

General Setup Page
- TV Display — Normal/PS
  - Normal/LB
  - Wide
- Angle Mark — On
  - Off
- OSD Lang — English
  - Russian
  - Chinese
- Captions — On
  - Off
- Screen Saver — On
  - Off
- Last Memory — On
  - Off
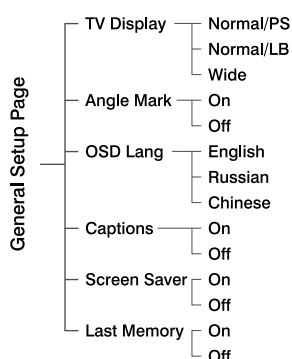
TV Display

This menu allows the user to select the aspect ratio of the TV to be connected.

Angle Mark

Available only when the disc is with angle marks, you can set the angle mark to show on TV screen or not.

OSD Lang

This menu allows the user to select the language for the on-screen.

Captions

Set the captions to display or close.

Screen Saver

Set the screen saver to activate or cancel.

Last Memory

Set the last memory state to on or off.

Audio Setup Page

```
Speaker Setup ── Downmix ──── LT/RT
                              Stereo
                              V SURR
                              Off
                 Front Speaker ── Large
                                  Small
                 Center Speaker ── Large
                                   Small
                                   Off
                 Rear Speaker ── Large
                                 Small
                                 Off
                 Subwoofer ── On
                              Off
                 Test Tone ── On
                              Off
                 Dialog ──── 0 ~20
                 Post DRC ── On
                             Off
                             Auto
SPDIF Setup ──── SPDIF Setup ── SPDIF Off
                                SPDIF/RAW
                                SPDIF/PCM
                                Mnaual
                 CD ──────── SPDIF Off
                             SPDIF/RAW
                             SPDIF/PCM
                 Dolby Digital ── SPDIF Off
                                  SPDIF/RAW
                                  SPDIF/PCM
                 DTS ─────── SPDIF Off
                             SPDIF/RAW
                             SPDIF/PCM
                 MPEG ────── SPDIF Off
                             SPDIF/RAW
                             SPDIF/PCM
                 PCM Channel ── SPDIF Left/Right
                                SPDIFLeft/Right Surround
                                SPDIF Center/Sub
                 LPCM Out ── 48K
                             96K
Dolby Digital Setup ── Left+Right ── Stereo
                                     Left
                                     Right
                                     Mixed
                       Dynamic ──── Off~Full
Channel Delay
Equalizer ────── EQ Type ──── None
                              Rock
                              Pop
                              Live
                              Dance
                              Techno
                              Classic
                              Soft
                 Bass Boost ── On
                               Off
                 Sub Bass ── On
                             Off
                 Treble Boost ── On
                                 Off
3DProcessing ── Reverb Mode ── Off
                               Concert
                               Living Room
                               Hall
                               Bathroom
                               Cave
                               Arena
                               Church
HDCD ─────────── Filter ──── Off
                             44.1K
                             88.2K
```

Speaker Setup
- Downmix
  When the disc has Dodly Pro Logic stereo, you can choose LT/RT or Stereo or V.SURR or Off mode to play this disc.
- Front Speaker, Center Speaker, Rear Speaker, Subwoofer
  You can set up this speaker or speaker's volume.
- Test Tone
  When setup this function, the screen will display and test channel on the left down cape.
- Dialog
  You can adjust dialogue volume. (00~20)

SPDIF Setup
- SPDIF Setup
  If close Optic or axis output, this system is only used for simulation mode. If set for Manual, you can choose output mode when playing different disc.
- CD, Dolby Digital, DTS, MPEG
  When SPDIF output was Manual, CD, Dolby Digital, DTS and MPEG format are available, you can set SPDIF output mode. If this item doesn't use Optic output mode, then SPDIF output is "SPDIF RAW". The factory setting was "SPDIF RAW".
- LPCM Channel
  It is up to you to setup different channels.
- LPCM Out
  It is according to setup the audio signal between 48kHz to 96kHz

Dolby Digital Setup
- Dynamic
  When you watch disc in the midnight, you can setup this function to adjust the volume. It can't disturb the neighborhood, and won't affect the sound effect.

Channel Delay
  You can use this setup for each imitating distance of speakers, to get the best sound effect.

Equalizer
- Equalizer
  It has 7 modes for you choice. For instance, if you choose "Theater" mode, the unit will be imitating the theater effect. When turn off this function, system will automatically playing that disc which has modes.

HDCD
  When playing the HDCD disc, it can set the audio output width degree.

Video Setup Page

```
                  ┌ Component ─┬ CVBS
                  │            ├ YUV
 Video Setup Page │            └ RGB
                  ├ TV Mode ───┬ Interlace
                  │            └ P-SCAN
                  └ Quality ───┬ Sharpness ──┬ High
                               │             ├ Medium
                               │             └ Low
                               ├ Brightness ── -20 ~ 20
                               ├ Contrast ──── -16 ~ 16
                               ├ Gamma ──────┬ High
                               │             ├ Medium
                               │             ├ Low
                               │             └ None
                               ├ Hue ──────── -9 ~ 9
                               ├ Saturation ── -9 ~ 9
                               └ Luma Delay ─┬ 0T
                                             └ 1T
```
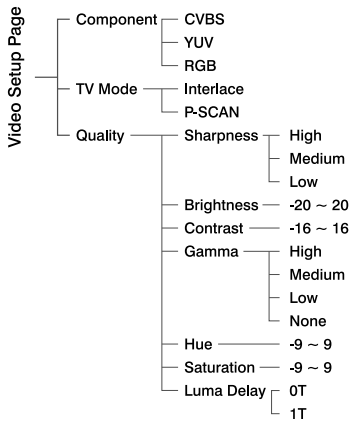
Component
  You can setup this according to TV video output type.
TV Mode
  When YUV or RGB video output type is selected, you can select DVD Interlace or P-SCAN output mode (please first confirm your TV has P-SCAN function and seted to that function).
Quality
  You can according to the color of picture ,adjust it to be light or dark.

Preference Page

```
                ┌ TV Type ────────┬ PAL
                │                 ├ Multi
                │                 └ NTSC
                ├ Audio ──────────┬ English
                │                 ├ French
                │                 ├ Spanish
                │                 ├ Chinese
                │                 ├ Japanese
                │                 ├ Korean
                │                 ├ Russian
                │                 └ Thai
                ├ Subtitle ───────┬ English
                │                 ├ French
                │                 ├ Spanish
                │                 ├ Chinese
                │                 ├ Japanese
                │                 ├ Korean
                │                 ├ Russian
                │                 └ Thai
 Preference Page├ Disc Menu ──────┬ English
                │                 ├ French
                │                 ├ Spanish
                │                 ├ Chinese
                │                 ├ Japanese
                │                 ├ Korean
                │                 ├ Russian
                │                 └ Thai
                ├ Parental ───────┬ 1  KID SAF
                │                 ├ 2  G
                │                 ├ 3  PG
                │                 ├ 4  PG 13
                │                 ├ 5  PGR
                │                 ├ 6  R
                │                 ├ 7  NC 17
                │                 └ 8  ADULT
                ├ Country Region ─┬ China
                │                 ├ France
                │                 ├ Hongkong
                │                 ├ Japan
                │                 ├ Taiwan
                │                 ├ GBR
                │                 └ USA
                └ Default ──────── Reset
```

Audio, Subtitle, Disc Menu
  When disc has subtitle, audio, disc menu support. Playing type was default. You can setup language. If not, this function is invalidated.
Parental
  Setup this system when playing disc which had age control, you can through this function.
Default
  Restore to factory setting.

Password Setup Page

```
                     ┌ Password Mode ─┬ On
 Password Setup Page │                └ Off
                     └ Password ─────── Change
                                        (Production password: 136900)
```
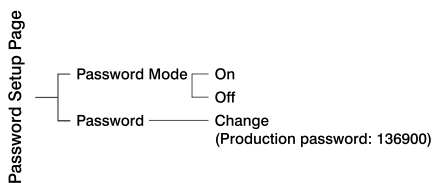
Password Mode
  Select this item to set new password for this unit, follow the screen's indication and enter a password.
Password
  The original password is 136900.

Protect the Disc

1. To keep the disc clean, please don't touch the disc's surface when you are holding it. You should hold the edge.
2. If the disc is dirty, it will affect the sound quality. Please use the clean and soft cloth to wipe the disc from inside to outside. Don't wipe the disc at circumference direction.

3. Don't stick paper on the disc.
4. Don't place discs in direct sunlight or near or on heat sources.
5. After you have finished with the disc, please place it back in its original case. To avoid warping or damage, do not stack discs.
6. Don't play the disc which has flaw or deformation, in case of damaging this player.
7. Clean your discs using only a soft dry cloth. Do not use any chemicals such as benzine, thinner, antistatic or record sprays as these can damage the disc surface.

Troubleshooting

If you are having a problem with your system, check this list for a possible solution before calling for service.
If you can not solve the problem from the hints give here, or the system has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard	Connections are incorrect, or loose	Check all connections and make corrections
	TV or power amplifier operates wrong	Check whether the operation is right
	The amplifier's receiving signal position is wrong	Check the position of receive signal
	Volume setting to minimum	Adjust volume
No picture	Connect wrong or loose	Check all connection and correct it
	TV Operation and setting is wrong	Check whether operation and setting is right
Bad sound quality	Audio connect wrong	Check whether audio connection is right
	Audio output mode setting wrong	Check whether audio output setting is right
Picture roll or without color	DVD Player doesn't match the TV system	Use PAL/NTSC select button to select suitable system
The disc does not play	No disc in the tray	Place a disc
	The disc is upside down	Place the disc in with the printed side up
	The disc is dirty or scratched	Clean or replace the disc
	The unit is foggy inside	Take out the disc, turn on the unit for about an hour
Poor radio reception	The antenna is disconnected	Reconnect the antenna securely
	The AM loop antenna is too close to the system	Change the position and direction of the AM loop Antenna
	The FM wire antenna is not properly extended and positioned	Extend FM wire antenna to the best reception position
Unable to operate the remote control	The path between the remote control and the sensor on the unit is blocked	Remove the obstruction
	The batteries have lost their charge	Replace the batteries
Operations are disabled	The built-in microprocessor has malfunctioned due to external electrical interference	Unplug the system then plug it back in

Specification

System

Power supply .... ~230V / 50 Hz

Rated working power consumption .... $\leq$ 130W

AUX input sensitivity .... $\leq$ 350mV

Channel .... $\geq$ 40dB

Distortion .... $\leq$ 0.7%

Dimensions .... 228(W) x 135(H) x 290(D) mm

DVD

Frequency response .... 20Hz-20kHz ($\pm$3dB)

Video output .... 1 V_{P-P}

Horizontal definition .... $\geq$ 500 (TV)

Amplifier

Output power .... 15W x 5 (8Ω 1kHz) + 50W (8Ω 100Hz)

Frequency response .... 20Hz - 20kHz (+1/-3dB)

S/N Ratio .... $\geq$ 65dB

TUNER

FM Frequency range .... 65-108 MHz

FM Noise limit sensitivity .... $\leq$ 20μV

FM S/N .... $\geq$ 46dB

AM Frequency range .... 531-1602 kHz

AM Noise limit sensitivity .... $\leq$ 3.0μV/m

AM S/N .... $\geq$ 40dB

Speaker

    Front

    Impedance 8Ω

    Input power 30W

    Sensitivity .... 85 $\pm$ 4dB

    Frequency response 90Hz-18kHz

    Dimensions .... 136(W) x 216(H) x 198(D) mm

    Surround

    Impedance 8Ω

    Input power 30W

    Sensitivity .... 85 $\pm$ 3dB

    Frequency response 150Hz-16kHz

    Dimensions .... 112(W) x 132(H) x 137(D) mm

    Center

    Impedance 8Ω

    Input power 30W

    Sensitivity .... 86 $\pm$ 3dB

    Frequency response 120Hz-14kHz

    Dimensions .... 230(W) x 114(H) x 120(D) mm

Woofer

Impedance 8Ω

Input power 50W

Sensitivity .... 86 ± 3dB

Frequency response 40Hz-300Hz

Dimensions .... 160(W) x 317(H) x 392(D) mm

Remote

Distance 6m

Angle .... ± 30°

Accessories

AM Loop antenna 1

Speaker box connect line 6

Rack 1

Remote control 1

Instructions manual 1

Note: Design and specifications are subject to change without prior notice.

1501LS5DRE404-01